

O I P E
SEP 12 2005
PATENT TRADEMARKS

FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1533.1030002/SRL/SEZ

APPLICATION NO.
09/722,441

APPLICANT
Hanke et al.

FILING DATE
November 28, 2000

GROUP
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|------------------|-------|-----------|-------------|
| AH | AA1 | 2,979,439 | 04/11/1961 | Kinoshita et al. | 195 | 47 | 11/04/1958 |
| | AB1 | 3,565,951 | 02/23/1971 | Ishida et al. | 260 | 527 | 03/20/1967 |
| | AC1 | 3,687,810 | 08/29/1972 | Kurihara et al. | 195 | 29 | 06/08/1970 |
| | AD1 | 3,700,557 | 10/24/1972 | Nakayama et al. | 195 | 29 | 08/06/1968 |
| | AE1 | 3,707,441 | 12/26/1972 | Shioi et al. | 195 | 29 | 03/09/1970 |
| | AF1 | 3,708,395 | 01/02/1973 | Nakayama et al. | 195 | 29 | 07/13/1970 |
| | AG1 | 3,825,472 | 07/23/1974 | Kubota et al. | 195 | 29 | 10/02/1973 |
| | AH1 | 4,169,763 | 10/02/1979 | Nakayama et al. | 435 | 115 | 07/11/1977 |
| | AJ1 | 4,560,654 | 12/24/1985 | Miwa et al. | 435 | 115 | 05/07/1981 |
| | AJ1 | 4,861,722 | 08/29/1989 | Sano et al. | 435 | 252.32 | 06/01/1987 |
| | AK1 | 4,954,441 | 09/04/1990 | Katsumata et al. | 435 | 115 | 05/25/1989 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| AH | AL1 | EP 0 811 682 A2 | 12/10/1997 | Europe | | | Yes No |
| | AM1 | EP 0 854 189 A2 | 07/22/1998 | Europe | | | Yes No |
| | AN1 | WO 00/63388 | 10/26/2000 | WIPO | | | Yes X No |
| | A01 | WO 96/34961 | 11/07/1996 | WIPO | | | Yes No |
| AK | AP1 | EP 0 754 756 A1 | 01/22/1997 | Europe | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| AH | AR | 1 | Archer, J. and Sinskey, A.J., "The DNA sequence and minimal replicon of the <i>Corynebacterium glutamicum</i> plasmid pSR1: evidence of a common ancestry with plasmids from <i>C. diphtheriae</i> ," <i>J. Gen. Microbiol.</i> 139:1753-1759, Cambridge University Press (1993). |
| AK | AS | 1 | Ben-Samoun, K. et al., "Positively regulated expression of the <i>Escherichia coli</i> araBAD promoter in <i>Corynebacterium glutamicum</i> ," <i>FEMS Microbiol. Lett.</i> 174:125-130, Federation of European Microbiological Societies and Elsevier Science B.V. (May 1999). |
| AK | AT | 1 | Bowie, J.U. et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," <i>Science</i> 247:1306-1310, American Association for the Advancement of Science (1990). |

EXAMINER *[Signature]* DATE CONSIDERED *5/19/2006*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|-----------------|------------|--------------------|-------|-----------|-------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| AK | AA2 | 4,980,285 | 12/25/1990 | Sano et al. | 435 | 108 | 09/25/1989 |
| | AB2 | 5,236,831 | 08/17/1993 | Katsumata et al. | 435 | 106 | 02/02/1990 |
| | AC2 | 5,243,039 | 09/07/1993 | Schendel et al. | 536 | 23.2 | 04/12/1991 |
| | AD2 | 5,426,052 | 06/20/1995 | Flickinger et al. | 536 | 23.2 | 05/10/1991 |
| | AE2 | 5,631,150 | 05/20/1997 | Harkki et al. | 435 | 105 | 01/03/1995 |
| | AF2 | 5,650,304 | 07/22/1997 | Ishii et al. | 435 | 115 | 02/03/1995 |
| | AG2 | 5,661,012 | 08/26/1997 | Sano et al. | 435 | 115 | 07/01/1994 |
| | AH2 | 5,688,671 | 11/18/1997 | Sugimoto et al. | 435 | 115 | 10/27/1995 |
| | AI2 | 5,693,781 | 12/02/1997 | Zupancic et al. | 536 | 24.1 | 06/15/1993 |
| | AJ2 | 5,700,661 | 12/23/1997 | Katsumata et al. | 435 | 69.1 | 06/03/1996 |
| AK | AK2 | 5,707,828 | 01/13/1998 | Sreekrishna et al. | 435 | 69.1 | 05/03/1995 |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| AK | AR | 2 | Brutlag, D.L. et al., "Improved sensitivity of biological sequence database searches," Comp. App. Biosci. 6:237-245, IRL Press (1990) |
| AK | AS | 2 | Copeland, R.A., "Cooperativity in Enzyme Catalysis," in Enzymes. A Practical Introduction to Structure. Mechanism, and Data Analysis, pages 279-296, Wiley-VCH, New York (1996). |
| AK | AT | 2 | Cremer, J. et al., "Control of the Lysine Biosynthesis Sequence in Corynebacterium glutamicum as Analyzed by Overexpression of the Individual Corresponding Genes," Appl. Environ. Microbiol. 57:1746-1752, American Society for Microbiology (1991). |

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| EXAMINER | <i>Shanklin</i> | DATE CONSIDERED | 5/19/2006 |
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|-------------------|-------|-----------|-------------|
| AK | AA3 | 5,726,299 | 03/10/1998 | Zupancic et al. | 536 | 24.1 | 08/01/1994 |
| | AB3 | 5,759,828 | 06/02/1998 | Tal et al. | 435 | 172.3 | 09/20/1994 |
| | AC3 | 5,766,925 | 06/16/1998 | Sugimoto et al. | 435 | 252.32 | 10/08/1996 |
| | AD3 | 5,773,691 | 06/30/1998 | Falco et al. | 800 | 205 | 06/07/1995 |
| | AE3 | 5,846,790 | 12/08/1998 | Kimura et al. | 435 | 110 | 02/18/1997 |
| | AF3 | 5,888,783 | 03/30/1999 | Tomita et al. | 435 | 115 | 02/28/1997 |
| | AG3 | 5,919,670 | 07/06/1999 | Okamoto et al. | 435 | 106 | 06/18/1998 |
| | AH3 | 5,965,391 | 10/12/1999 | Reinscheid et al. | 435 | 69.1 | 05/08/1997 |
| | AI3 | 6,004,773 | 12/21/1999 | Araki et al. | 435 | 41 | 12/05/1997 |
| | AJ3 | 6,027,920 | 02/22/2000 | Joliff et al. | 435 | 69.7 | 07/31/1995 |
| ↓ | AK3 | 6,057,299 | 05/02/2000 | Henderson | 514 | 44 | 09/27/1996 |

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| AK | AR | 3 | Cremer, J. et al., "Regulation of enzymes of lysine biosynthesis in <i>Corynebacterium glutamicum</i> ," <i>J. Gen. Microbiol.</i> 134:3221-3229, Cambridge University Press (1988). |
| AK | AS | 3 | Follettie, M. et al., "Gene Structure and Expression of the <i>Corynebacterium flavum</i> N13 ask-asd Operon," <i>J. Bacteriol.</i> 175:4096-4103, American Society for Microbiology (1993). |
| AK | AT | 3 | Jobling, M.G. and Homes, R.K., "Construction of vectors with the p15a replicon, kanamycin resistance, inducible lacZα and pUC18 or pUC19 multiple cloning sites," <i>Nucleic Acids Res.</i> 18:5315-5316, Oxford University Press (1990). |

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|--|----------------|-----------------|------------------|
| EXAMINER | <i>Stephan</i> | DATE CONSIDERED | <i>5/19/2008</i> |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| AK | AA4 | 6,090,597 | 07/18/2000 | Hirano et al. | 435 | 115 | 05/07/1997 |
| | AB4 | 5,605,793 | 02/25/1997 | Stemmer, W.P.C. | 435 | 6 | 02/17/1994 |
| | AC4 | 5,643,790 | 07/01/1997 | Morinaga et al. | 435 | 252.3 | 02/16/1995 |
| | AD4 | 5,591,577 | 01/07/1997 | Tsuchiya et al. | 435 | 6 | 05/20/1994 |
| | AE4 | 5,597,727 | 01/28/1997 | Kohama et al. | 435 | 252.32 | 05/18/1994 |
| | AF4 | 4,710,471 | 12/01/1987 | Katsumata et al. | 435 | 253 | 11/05/1984 |
| | AG4 | 4,757,009 | 07/12/1988 | Sano et al. | 435 | 106 | 08/28/1984 |
| | AH4 | 4,778,762 | 10/18/1988 | Miwa et al. | 435 | 320 | 10/18/1982 |
| | AI4 | 4,822,738 | 04/18/1989 | Miwa et al. | 435 | 252.3 | 12/21/1987 |
| | AJ4 | 5,426,050 | 06/20/1995 | Morinaga et al. | 435 | 252.32 | 12/16/1993 |
| | AK4 | 4,346,170 | 08/24/1982 | Sano et al. | 435 | 115 | 07/23/1980 |

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|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| AK | AR | 4 | Kleemann, A. et al., "Amino Acids," in Ullmann's Encyclopedia of Industrial Chemistry, Vol. A2, pp. 57-97, Weinheim: VCH-Verlagsgesellschaft (1985). |
| AK | AS | 4 | Liebl, W. et al., "Transfer of <i>Brevibacterium divaricatum</i> DSM 20297 ^T , ' <i>Brevibacterium flavum</i> ' DSM 20411, ' <i>Brevibacterium lactofermentum</i> ' DSM 20412 and DSM 1412, and <i>Corynebacterium lilium</i> DSM 20137 ^T to <i>Corynebacterium glutamicum</i> and Their Distinction by rRNA Gene Restriction Patterns," <i>Int. J. Syst. Bacteriol.</i> 41:255-260, International Union of Microbiological Societies (1991). |
| AK | AT | 4 | Lonsdale, D.M. et al., "pFC1 to pFC7: A Novel Family of Combinatorial Cloning Vectors," <i>Plant Mol. Biol. Rep.</i> 13:343-345, Kluwer Academic Publishers (1995). |

EXAMINER *Stephan Hanke* DATE CONSIDERED *5/19/2006*

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|------------------|-----------------|------------|------------------|-------|-----------|-------------|
| AK | AA5 4,489,160 | 12/18/1984 | Katsumata et al. | 435 | 253 | 08/24/1982 |
| | AB5 4,500,640 | 02/19/1985 | Katsumata et al. | 435 | 253 | 04/13/1982 |
| | AC5 4,514,502 | 04/30/1985 | Miwa et al. | 435 | 253 | 06/10/1982 |
| | AD5 4,559,308 | 12/17/1985 | Nutter et al. | 435 | 317 | 01/27/1983 |
| | AE5 4,617,267 | 10/14/1986 | Katsumata et al. | 435 | 91 | 01/25/1984 |
| | AF5 5,929,221 | 07/27/1999 | Kimura et al. | 536 | 23.1 | 08/22/1996 |
| | AG5 5,834,231 | 11/10/1998 | Stoddard et al. | 435 | 42 | 10/24/1996 |
| | AH5 3,959,075 | 05/25/1976 | Inuzuka et al. | 195 | 29 | 07/15/1975 |
| | AI5 5,919,694 | 07/06/1999 | Sugimoto et al. | 435 | 252.33 | 11/10/1997 |
| ↓ | AJ5 5,876,983 | 03/02/1999 | Sugimoto et al. | 435 | 106 | 04/29/1996 |
| | AK5 5,804,414 | 09/08/1998 | Moriya et al. | 435 | 69.1 | 07/01/1996 |

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|------------------|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | Yes No |
| | AM | | | | | Yes No |
| | AN | | | | | Yes No |
| | AO | | | | | Yes No |
| | AP | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|--|
| AK | AR | 5 | Malumbres, M. and Martin, J.F., "Molecular control mechanisms of lysine and threonine biosynthesis in amino acid-producing corynebacteria: Redirecting carbon flow," <i>FEMS Microbiol. Lett.</i> 143:103-114, Federation of European Microbiological Societies, Elsevier Science B.V. (1996). |
| AK | AS | 5 | Marcel, T. et al., "Nucleotide sequence and organization of the upstream region of the <i>Corynebacterium glutamicum</i> lysA gene," <i>Mol. Microbiology</i> 4:1819-1830, Blackwell Scientific Publications (1990). |
| AK | AT | 5 | Nakayama, K. et al., "Microbial Production of Essential Amino Acids with <i>Corynebacterium glutamicum</i> Mutants," in <i>Nutritional Improvement of Food and Feed Proteins</i> , Friedman, ed., Plenum Press, New York, NY, pp. 649-661 (1978). |

EXAMINER *Stephanie Hanke* DATE CONSIDERED *5/19/2006*

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|------------------|-------|-----------|-------------|
| AK | AA6 | 5,640,803 | 06/24/1997 | Kloepper et al. | 47 | 57.6 | 06/30/1994 |
| | AB6 | 5,633,154 | 05/27/1997 | Schaefer et al. | 435 | 172.3 | 11/04/1994 |
| | AC6 | 5,556,776 | 09/17/1996 | Tsuchiya et al. | 435 | 106 | 09/23/1994 |
| | AD6 | 5,547,864 | 08/20/1996 | Kawasaki et al. | 435 | 170 | 09/08/1994 |
| | AE6 | 5,498,532 | 03/12/1996 | Katsumata et al. | 435 | 106 | 12/28/1990 |
| | AF6 | 5,380,657 | 01/10/1995 | Schaefer et al. | 435 | 172.3 | 03/18/1993 |
| | AG6 | 5,158,891 | 10/27/1992 | Takeda et al. | 435 | 320.1 | 03/13/1990 |
| | AH6 | 5,034,319 | 07/23/1991 | Azuma et al. | 435 | 114 | 04/07/1989 |
| | AI6 | 5,034,318 | 07/23/1991 | Miwa et al. | 435 | 108 | 03/22/1990 |
| | AJ6 | 4,601,983 | 07/22/1986 | Nakamori et al. | 435 | 115 | 06/15/1983 |
| | AK6 | 6,200,785 B1 | 03/13/2001 | Kreutzer et al. | 435 | 115 | 07/14/1999 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| AK | AR | 6 | Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of the lysA Gene in <i>Brevibacterium lactofermentum</i> : Regulation of argS-lysA Cluster Expression by Arginine," <i>J. Bacteriol.</i> 175:7356-7362, American Society for Microbiology (1993). |
| AK | AS | 6 | Pátek, M. et al., "Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif," <i>Microbiology</i> 142:1297-1309, SGM (1996). |
| AK | AT | 6 | Pátek, M. et al., "Identification and transcriptional analysis of the dapB-ORF2-dapA-ORF4 operon of <i>Corynebacterium glutamicum</i> , encoding two enzymes involved in L-lysine synthesis," <i>Biotechnol. Lett.</i> 19:1113-1117, Chapman & Hall (November 1997). |

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|-----------------|-------|-----------|-------------|
| AK | AA7 | 6,221,636 B1 | 04/24/2001 | Hayakawa et al. | 435 | 115 | 12/05/1997 |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
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|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|--|
| AK | AR | Z | "pPMG-LIC Bacterial Cloning Vector and Cloning Kit," in 1999 Research Products Catalog, BD Pharmingen, pg. 839 (1999). |
| AK | AS | Z | Record, M.T. et al., "Escherichia coli RNA Polymerase (E σ ⁷⁰), Promoters, and the Kinetics of the Steps of Transcription Initiation," in <i>Escherichia coli and Salmonella: Cellular and Molecular Biology</i> , American Society for Microbiology Press, pp. 792-821 (1996). |
| AK | AT | Z | Reinscheid, D.J. et al., "Cloning, sequence analysis, expression and inactivation of the <i>Corynebacterium glutamicum</i> pta-ack operon encoding phosphotransacetylase and acetate kinase," <i>Microbiology</i> 145:503-513, Society for General Microbiology (February 1999). |

EXAMINER *AK* DATE CONSIDERED *5/19/06*

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| AA | | | | | | | |
| AB | | | | | | | |
| AC | | | | | | | |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|--|-----------------|------|---------|-------|-----------|-------------|
| | | | | | | | Yes No |
| AL | | | | | | | Yes No |
| AM | | | | | | | Yes No |
| AN | | | | | | | Yes No |
| AO | | | | | | | Yes No |
| AP | | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|-----------|----|---|--|
| <i>SK</i> | AR | 8 | Sahm, H. et al., "Construction of L-lysine-, L-threonine-, or L-isoleucine-overproducing strains of <i>Corynebacterium glutamicum</i> ," Ann. N.Y. Acad. Sci. 782:25-39, The New York Academy of Sciences (1996). |
| <i>✓</i> | AS | 8 | Schäfer, A. et al., "Small mobilizable multi-purpose cloning vectors derived from the <i>Escherichia coli</i> plasmids pK18 and pK19: selection of defined deletions in the chromosome of <i>Corynebacterium glutamicum</i> ," Gene 145:69-73, Elsevier Science B.V. (1994). |
| <i>✓</i> | AT | 8 | van Walsem, H.J. and Thompson, M.C., "Simulated moving bed in the production of lysine," J. Biotechnol. 59:127-132, Elsevier Science B.V. (1997). |

EXAMINER

Chapman

DATE CONSIDERED

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| | | APPLICANT Hanke et al. | |
| | | FILING DATE November 28, 2000 | GROUP 1645 |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| AA | | | | | | |
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| | | | | | | Yes No |
| AL | | | | | | Yes No |
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| AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| | AS | 9 | Derwent WPI, English language abstract of document AN1 (WO 00/63388) (October 26, 2000), Accession No. 2000-687179/200067. |
| | AT | 9 | English language translation of claims of document AN1 (WO 00/63388) (October 26, 2000). |

EXAMINER *Slanklin* DATE CONSIDERED *5/19/2006*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| <i>HK</i> | AR | 10 | English language translation of claims 10 and 11 only of document AN1 (WO 00/63388) (October 26, 2000). |
| <i>HK</i> | AS | 10 | Serebrijski, I. et al., "Multicopy Suppression by <i>asd</i> Gene and Osmotic Stress-Dependent Complementation by Heterologous <i>proA</i> in <i>proA</i> Mutants," <i>J. Bact.</i> 177:7255-7260, American Society for Microbiology (1995). |
| <i>HK</i> | AT | 10 | Kalinowski, J. et al., "Aspartokinase genes <i>lysCα</i> and <i>lysCβ</i> overlap and are adjacent to the aspartate β -semialdehyde dehydrogenase gene <i>asd</i> in <i>Corynebacterium glutamicum</i> ," <i>Mol. Gen. Genet.</i> 224:317-324, Springer-Verlag (1990). |

EXAMINER

Elly M. Hanke

DATE CONSIDERED

5/19/2006

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| | | APPLICANT Hanke et al. | |
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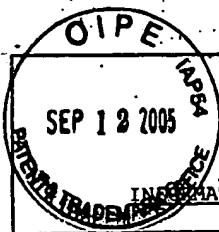
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| AL | | | | | | Yes No |
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| AP | | | | | | Yes No |

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| <i>AK</i> | AR | 11 | Serwold-Davis, T.M. et al., "Transformation of <i>Corynebacterium diphtheriae</i> , <i>Corynebacterium ulcerans</i> , <i>Corynebacterium glutamicum</i> , and <i>Escherichia coli</i> with the <i>C. diphtheriae</i> plasmid pNG2," Proc. Natl. Acad. Sci. USA 84:4964-4968, The National Academy of Sciences of the USA (1987). |
| | AS | | |
| | AT | | |

EXAMINER *Stephanie* DATE CONSIDERED *5/19/06*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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| | | ATTY. DOCKET NO. 1533.1030002/SRL/SEZ | APPLICATION NO. 09/722,441 |
| SEP 12 2005 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT | | APPLICANT Hanke et al. | |
| | | FILING DATE November 28, 2000 | GROUP 1645 |

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| <i>AK</i> | AL2 | EP 0 733 710 A1 | 09/25/1996 | Europe | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
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| | AP | | | | | | Yes No |

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| | AR | | |
| <i>AK</i> | AS | 11 | Search Report for International Application PCT/US00/35617, mailed August 13, 2001. |
| | AT | | |

EXAMINER

hylah

DATE CONSIDERED

5/19/2006

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FORM PTO-1449

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1533.1030002/MAC/PACAPPLICATION NO.
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Hanke et al.FILING DATE
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

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| | AL | | | | | | Yes No |
| <i>AK</i> | AM2 | EP 1 10B 790 A2 | 06/20/2001 | EPO | | | Yes No |
| | AN | | | | | | Yes No |
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| | AP | | | | | | Yes No |

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| | AR | | |
| | AS | | |
| <i>AK</i> | AT | 11 | Pisabarro, A., et al., "A Cluster of Three Genes (<i>dapA</i> , <i>orf2</i> , and <i>dapB</i>) of <i>Brevibacterium lactofermentum</i> Encodes Dihydrodipicolinate Synthase, Dihydrodipicolinate Reductase, and a Third Polypeptide of Unknown Function," <i>J. Bacteriol.</i> 175:2743-2749, American Society for Microbiology (1993). |

EXAMINER

Allyson Hanke

DATE CONSIDERED

5/19/2006

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| | | FILING DATE November 28, 2000 | GROUP 1645 |

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| | AL | | | | | | Yes No |
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| <i>AK</i> | AR | <u>1000</u> <u>2</u> | Yeh, P., et al., "Nucleotide sequence of the <i>lysA</i> gene of <i>Corynebacterium glutamicum</i> and possible mechanisms for modulation of its expression," <i>Mol. Gen. Genet.</i> 212:112-119, Springer Verlag (1988). |
| <i>AK</i> | AS | <u>1000</u> <u>2</u> | Database EMBL Acc. No. Z21502, Pisarro, A., et al. (August 16 1993). |
| <i>AK</i> | AT | <u>1000</u> <u>2</u> | Database EMBL Acc. No. AX122246, Nakagawa, S., et al. (May 11, 2001). |

EXAMINER *Blumellon* DATE CONSIDERED *5/19/2008*

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| | AL | | | | | | Yes No |
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| <i>AK</i> | AR | <u>13</u> | Database EMBL Acc. No. AX123535, Nakagawa, S., et al. (May 11, 2001). |
| <i>AK</i> | AS | <u>13</u> | Database EMBL Acc. No. AX125746, Nakagawa, S., et al. (May 10, 2001). |
| <i>AK</i> | AT | <u>13</u> | International Search Report for International Patent Application No. PCT/US00/35617, mailed October 25, 2001. |

EXAMINER *Ellyn K. Hanke* DATE CONSIDERED *5/19/2008*

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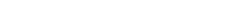
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | 10/771,695 |
| | | Filing Date | February 4, 2004 |
| | | First Named Inventor | Paul Hanke |
| | | Art Unit | 1652 |
| | | Examiner Name | |
| Sheet | | of | Attorney Docket Number |
| | | | 040049 |

NON-PATENT LITERATURE DOCUMENTS

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| Examiner Signature |  | Date Considered | 5/19/2006 |
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